TABLE OF CONTENTS

JULY TO DECEMBER, 1963

Number 1, July 1963

Current Biochemical and Genetic Concepts in the Diagnosis of Sickle Cell-Thalassemia. A Study of Eight Families. ELMER W. KONEMAN, JOHN B. MIALE, AND ADELE MASON 1
The Pathogenetic Spectrum of Aspergillosis. JOHN H. SEABURY AND MONROE SAMUELS 21
A Rack for Expediting the Manipulation of Tissue Culture Bottles, with an Application to the Viral Plaque Technic. REX S. SPENDLOVE AND FRANK L. TAYLOR 34
Blood Grouping Tests. A Review of 1000 Cases of Disputed Paternity. LEON N. SUSSMAN 38
Factitious Hypoglycemia in Patients with Leukemia. JAMES B. HANRAHAN, SYLVAN M. SAX, AND ANTHONY CILLO 43
The Application of the Orbital Sinus Bleeding Technic to Germ-Free Animals. BETTY J. SANDERS 46
A Method for the Determination of the Specific Gravity or Density of Small Volumes of Liquids and Small Solid Objects. MICHAEL STRONG 48
Myocarditis in Prodromal Measles. Report of a Case. NATHAN A. COHEN 50
Endocarditis Caused by *Herrellea*. Report of a Case, with Postmortem Observations. DENNIS J. CARLSON 54
Patterns of Metastatic Cancer in the Spleen. JESSE H. MARYMONT, JR., AND STANLEY GROSS 58
Multiple Myeloma and Coexistent Carcinoma of the Sigmoid Colon. A Review of the Literature and Report of Four Cases. EDWARD SHANBROM 67
Multilocular Cystic Granulosa Cell Tumor. Report of a Case. JOANNA SHER AND MEMOIR MARSH 72
Acquired Hypofibrinogenemia Associated with a Giant Cavernous Hemangioma of the Liver. ALBERT BEHAR, EDGAR MORAN, AND GABRIEL IZAK 78
Diagnostic Patterns. Cestodal Infections of Man. S. E. GOULD, D. L. HINERMAN, J. G. BATSAKIS, AND P. R. BEAMER 83
In Memoriam
Louis A. Hebert, M.D. ANDREW RANIER 87
News and Notices 89
Organization Section 90

Technical Section

A Plating Method for Routine Cultures of Anaerobic Microorganisms. ROBERT A. SCHEIDT AND KENNETH J. SMITH 95
The F_{II}-Bentonite Flocculation Test (F_{II}-BFT) for Rheumatoid Arthritis. A Comparison of Results from Six Laboratories. J. P. NASOU, D. E. KAYHOE, AND J. BOZICEVICH 99
Procedure for Staining Zones of Activity of Glutamic Oxaloacetic Transaminase Following Electrophoresis with Starch Gel. MORTON K. SCHWARTZ, JEROME S. NISSELBAUM, AND OSCAR BODANSKY 103
Hydrochloric Acid Erythrocytolysis for Millipore-Filter Isolation of Tumor Cells from Fluids from Wounds. KUMAO SAKO, NOEL J. GEFFROS, ROBERTO PRADIER, AND EUGENE M. BURKE 107
Book Review 112

Number 2, August 1963

Hematin—Studies on Protein Complexes and Determination in Human Plasma. GEORGE Y. SHINOWARA AND MARTHA I. WALTERS 113
Histochemistry of the Acid Mucopolysaccharides of Skin in Normal and in Certain Pathologic Conditions. WAINE C. JOHNSON AND ELSON B. HELWIG 123
X-Ray Spectroscopy in Biology and Medicine. V. Total Serum Iodine. PAUL K. LUND AND JAMES C. MATHIES 132
Comparative Study of Latex Agglutination and Hemagglutination Tests for Demonstration of Enterobacterial Antibodies. HI YUN WHANG AND ERWIN NETER 136
A Simple Inexpensive Method for Rapid Identification of *Candida albicans*. DANIEL KAMINSKY AND LOCHLAND QUINLAN, JR. 143

Accidental Laboratory Infection Caused by *Leptospira icterohaemorrhagiae*. Report of a Case. GEDEON SARASIN, DANIEL N. TUCKER, AND VICTOR M. AREAN 146
A Case of Listeriosis of the Newborn with Fluorescent Antibody Histologic Studies. RONALD L. VILLELLA, LEONARD W. HALLING, AND JOSEPH Z. BIEGELEISEN, JR. 151
Idiopathic Diffuse Bronchiolectasis—So-Called Bronchiolar Emphysema. A Link Between Bronchiectasis and Chronic Pulmonary Emphysema. AGUSTÍN GONZÁLEZ-LICEA AND RUY PÉREZ-TAMAYO 157
Leukemogenic Thymoma. Report of a Unique Case. JOHN E. ADAMS 173
Carcinoma Originating in Ducts Surrounding the Prostatic Urethra. NORMAN ENDE, LEON P. WOODS, AND HARRY S. SHELLEY 183
Heterotopic Gastric and Esophageal Tissue in the Vermiform Appendix. BERTRAM W. DROGA, SEYMOUR LEVINE, AND JULIUS J. BABER 190
Extramedullary Hematopoiesis and Metastatic Cancer in the Spleen. STANLEY GROSS AND JESSE H. MARYMONT, JR. 194
Diagnostic Patterns. *Trichinella Spiralis*. S. E. GOULD, D. L. HINERMAN, J. G. BATSAKIS, AND P. R. BEAMER 197
In Memoriam
Ralph Mosteller, M.D. SANFORD A. MULLEN 201
News and Notices 202
Organization Section 203
Book Review 208

Technical Section

A New Colorimetric Method for the Determination of Total Serum Bilirubin. PATRICK V. FERRO AND ANNA BELL HAM 209
Separation of Serum Lactic Dehydrogenase Originating in Myocardial and Hepatic Tissue, by Means of Heat Fractionation. ROBERT L. BELL 216
A Simple Method for Making Chromosome Slides. Preparation from Short-Term Cultures of Peripheral Blood. ROBERT G. SCHERZ AND JOSÉ M. LOURO 222
Letter to the Editor
Acetone and Acetone Bodies in Serum. JOSEPH PAUL MADONIA 226
Correction 226

Number 3, September 1963

Studies of Abnormal Hemoglobins. I. Procedure for Quantitation of Hemoglobins Separated by Means of Starch Gel Electrophoresis. F. WILLIAM SUNDERMAN, JR. 227
Direct Demonstration of **A, B,** and **Rh_o (D)** Blood Group Antigens on Human Leukocytes. ROBERT E. ANDERSON AND ROY L. WALFORD 239
Slide Test of Urine and of Blood for Pregnancy. BENJAMIN S. KLINE 246
A Semiautomated System for Clinical Assays of Enzymes. JOHN B. HENRY, EDWARD S. CESTARIC, AND ANNE GOODWIN 252
The Occurrence of *Bacterium anitratum* in Secretions of Pulmonary Origin. ROBERT G. GARRISON 260
The Number Plus Method of Quality Control of Laboratory Accuracy. ROBERT G. HOFFMAN AND MARGARET E. WAID 263
Fat Embolism in Diabetes Mellitus. FRANCIS E. CUPPAGE 270
A Definition of Pyuria. LEONARD B. BERMAN AND EDWARD H. CHAPPELLE 276
Hemorrhage in the Middle-Ear and Mastoid in Drowning. NELSON R. NILES 281
Fatal Drug Reaction Associated with Prochlorperazine (Compazine). ROBERT B. MCFARLAND 284
The Occurrence of Pyroglobulins in Unsuspected Myeloma. BEN FISHER, LEONARD R. SCHAER, AND SOL MESSINGER 291
Diagnostic Patterns. Lesions of the Heart. S. E. GOULD, D. L. HINERMAN, J. G. BATSAKIS, AND P. R. BEAMER 295
Letter to the Editor
Simple Method of Sampling of Arterial Blood. M. J. LEITNER 299
News and Notices 300
Organization Section 305
Book Reviews 310
Books Received 315

Technical Section

A Simple Method of Eliminating the Cross-Reaction of *Staphylococcus* in the Fluorescent Antibody Technic. George N. Komninos and Victor N. Tompkins ... 319
Elution of Antibodies from Sensitized Red Blood Cells by Means of Cesium Chloride. Robert E. Anderson and Roy L. Walford ... 325
Agglutination of Cardiolipin-Coated Latex Particles with VDRL- and Kolmer-Positive Serums. Charles T. Uyeda ... 329
A One-Hour Phosphotungstic Acid-Hematoxylin Stain. Holde Puchtler, Faye Sweat, and Nancy O. Doss ... 334
Book Review ... 338

Number 4, October 1963

Pasteurella multocida Infections. A Report of Six Cases. Robert G. DeBoer and Martin Dumler ... 339
A Rapid Screening Test for the Determination of Serum Glutamic Oxalacetic Transaminase. Lawrence C. Whetzel ... 345
Isoenzymes of Serum Alkaline Phosphatase in Hepatobiliary and Skeletal Disease. Howard F. Taswell and David M. Jeffers ... 349
Eosinophil-Stimulating Properties of Certain Chemical Substances. John S. Chapman ... 357
Circulatory Factors Governing the Viability of the Human Placenta, Based on a Morphologic Study. James E. Carter, Frank Vellios, and Carl P. Huber ... 363
Histologic Classification and Incidence of Circulatory Lesions of the Human Placenta, with a Review of the Literature. James E. Carter, Frank Vellios, and Carl P. Huber ... 374
Primary Gastric Malignant Lymphoma and Pseudolymphoma. David S. Jacobs ... 379
Diffuse Cerebellar Hypertrophy. Report of a Case. James C. Bellamy, Nicholas A. D'Amato, and Jeno E. Szakacs ... 395
Economical Plastic Museum Jars. Philip R. Joram ... 405
Diagnostic Patterns. Lesions of Fibrous Tissue. S. E. Gould, D. L. Hinerman, J. G. Batsakis, and P. R. Beamer ... 411
Abstracts of Papers. Scientific Sessions of the Annual Meeting of the American Society of Clinical Pathologists, October 1963 ... 415
In Memoriam
Charles Ralph Drake, M.D. N. H. Lufkin ... 432
John J. Gilrane, M.D. Weldon Bullock ... 432
News and Notices ... 434

Technical Section

Histochemical Study of Staining Lipid, Glycogen, and Mucin in Human Neoplasms. Olga J. Dobrogorski and Herbert Braunstein ... 435
Normal Range of Serum Calcium by Means of the Cal-Red Technic. Claude O. Burdick, Gary Wildasin, and Barbara Chang ... 444
Crystallization of Human Cyanmetmyoglobin. William H. Luginbuhl ... 448
A Method for the Quantitation of Lactic Dehydrogenase in Vertical Starch Gels. Marvin J. Allison, Enrique Gerszten, and Blanca Sanchez ... 451
Laboratory Suggestion
A Synthetic Medium to Replace Coverslips. Yolan Zimmerman ... 454
Letter to the Editor
Method of Transporting Human Blood for Chromosome Counts on Leukocytes. Bertil Hall and Bengt Källen ... 456
News and Notices ... 456

Number 5, November 1963

Quality Control in Hematology. Dennis B. Dorsey ... 457
Screening for Bleeding States—The Partial Thromboplastin Test. Armand J. Quick and Martha Geppert ... 465
Modification of the Rapid Plasma Reagin (RPR) Card Test for Syphilis, for Use in Large Scale Testing. Joseph Portnoy ... 473

Enhancement of Specificity of the Fluorescent Treponemal Antibody Test, as Compared with the TPI Test. Albert Leibovitz, Thomas R. Oberhofer, John T. Meacham, and Theodore N. Diestelhorst 480
The Demonstration of Fetal Erythrocytes in the Presence of Adult Red Blood Cells. Everett M. Clayton, Jr., William D. Feldhaus, and James M. Phythyon 487
Daily Variation in the Concentration of Iron in Serum. E. J. Walter Bowie, W. Newlon Tauxe, Walter E. Sjoberg, and Mitsue Y. Yamaguchi 491
A Carbon Dioxide Incubator for the Clinical Microbiology Laboratory. Gilbert A. Hill and Stanley Marcus 495
Use of the Cryostat in Diagnosis with Frozen Sections of Specimens from Cervical Conization. S. Donald Greenberg and Raymond H. Kaufman 500
The Relation of Sinus Histiocytosis in Axillary Lymph Nodes to Surgical Curability of Carcinoma of the Breast. John J. DiRe and Nathan Lane 508
Primary Carcinoma of the Liver in Relation to Cirrhosis. R. W. Sagebiel, R. B. McFarland, and E. B. Taft 516
Osteogenic Sarcoma of the Mammary Gland. Paul Jernstrom, A. Ludwig Lindberg, and Orville N. Meland 521
Polyarteritis Nodosa—A Syndrome. Luis R. Owano and Robert H. Sueper 527
Diabetic Glomerulosclerosis in Renal Papillary Necrosis—An Autopsy Study. Jerome L. Silverman and John M. Kissane 532
Diagnostic Patterns. Lesions of the Cervix. S. E. Gould, D. L. Hinerman, J. G. Batsakis, and P. R. Beamer 537
Laboratory Suggestion
Marking Tissues. Robert A. Scheidt 541
Letter to the Editor
Chemical Nomenclature in the Computer Age. Lorry A. Blanksma and Donald W. Johnson 542
In Memoriam
C. Gardner Warner, M.D. John A. Wagner 544
Book Reviews 545

Technical Section

An Evaluation of the Cardiolipin-Synthetic Lecithin Kline Test. Alcor S. Browne, Edith M. Coffey, and Barbara L. Todd 547
Identification of *Candida albicans*. Alice Hayes and J. Robert Thompson 553
Urate and Non-Urate Chromogens in Human Serum. L. N. Bare and R. F. Wiseman 556
A Rapid Combination Method for Determining Amounts of Serum or Blood Glucose and Urea Nitrogen. Jean Paul Boulanger and Marjorie F. Williams 560
News and Notices 562

Number 6, December 1963

Studies of Nickel Carcinogenesis. The Subcellular Partition of Nickel in Lung and Liver Following Inhalation of Nickel Carbonyl. F. William Sunderman, Jr., and F. William Sunderman 563
Use of Thin Layer Chromatography in the Diagnosis of Poisoning. Irving Sunshine 576
Determinations of Serum Calcium by Means of Flame Photometry. Murray Brandstein, Anthony Castellano, and Carmine Mezzacappa 583
Prevention of Background Staining of Starch Gels. Preliminary Treatment of the Starch with *Streptomyces griseus* Protease. J. C. Robinson and J. E. Pierce 588
Comparison of Fluorescent Antibody, Precipitin, and Bacitracin Disk Methods in the Identification of Group A Streptococci. L. A. Estela and H. E. Shuey 591
A Study of Paired, Purged Stool Specimens for the Recovery of *Entamoeba histolytica*. Allen Yarinsky and Shirley deB. Sternberg 598
Influenza vaccine and Isoimmunization. Leon N. Sussman and Hannah Pretshold 601
Colchicine-Induced Epithelial Atypia. John E. Finger and John T. Headington 605
Ulcerative Colitis of the Ileum, and Regional Enteritis of the Colon. A Comparative Histopathologic Study. Sidney L. Saltzstein and Barbara F. Rosenberg 610
Severe Hepatic Involvement in Chronic Disseminated Histiocytosis X. Report of a Case with Necropsy. J. W. Parker and L. Lichtenstein 624

A Device for the Continuous Chilling of Microtome Knife and Paraffin Blocks. M. Winnogene Palmer and L. W. McDonald 633
Diagnostic Patterns. Lesions of the Skin. S. E. Gould, D. L. Hinerman, J. G. Batsakis, and P. R. Beamer 635
Letter to the Editor
Comments Pertaining to One-Stage Prothrombin Time. Armand J. Quick 639
In Memoriam
Emil Bogen, M.D. Maurice L. Brodsky 640
Elmer Elden Myers, M.D. John E. Lenox 641
News and Notices 643
Book Reviews 644

Technical Section

Evaluation of Serum Albumin by Means of 2-(4¹-Hydroxyazobenzene)-Benzoic Acid Dye Method. Hammond P. Chen and Henry Sharton 651
A New Embedding Procedure for the Preservation of Pathologic Specimens, Using Clear Silicone Potting Compounds. Joseph M. Segarra 655
A Simplified Gram Stain for Demonstrating Fungi in Tissues. John D. Schneidau, Jr. 659
A Rare Form of Anti-M Antibody Associated with Pregnancy. Frank J. Gagliardo and Robert R. Curiano 662
Simple Method of Counting Platelets. A. S. Wiener 665
News and Notices 666
Index of Subjects, Volume 40, July–December, 1963 667
Index of Authors, Volume 40, July–December, 1963 677
Table of Contents, Volume 40, July–December, 1963 iii